

**Switching mode**

**Direct current regulated power supply**

**CPS3200**

**Instruction manual**

Thank you for purchasing it really. Reform it after this instruction manual is being read well before using.

● **Introduction :**

This unit is in the output 5V ~ 15V variability and the direct current regulated power supply of maximum 32A. The case that a radio for the Mobil and so on is used as a radio for Base station, and the current capacity which is enough for the experiment as well and so on can be taken out.

● **Features :**

- CPS3200 is the high-performance direct current regulated power supply of the high efficiency, miniature light weight which adopted a switching regulator mode form.
- Because this unit and a connection equipment can be protected from the trouble, it is relieved by, and it can have it use by the over current protection circuit, the output phase fault protection circuit, and so on.
- It can be changed to the voltage set up easily in advance by the preset function, the remote control function, and so on.

● **Caution :**

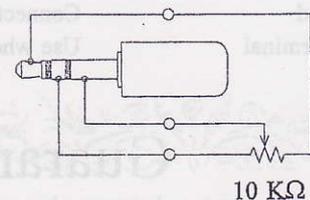
- Don't put the thing install it in the place where be the ventilation which rainwater isn't applied to and put things on the case and to be easily full near here.
- Make the input of the equipment connected to this unit the one within the rated current value. When it suffers from overload, protection circuit works, voltage / electric current declines, and the ham noise, the power deterioration cause faulty operation of the connection equipment.
- Avoid use in other voltages because the operating range of the input voltage of this unit is 220V ~ 240V AC.
- Be careful of this unit because a radiation part becomes high temperature and when it was about rated current value and it was used for a long time though enough radiation is designed.
- A protection circuit works when it short-circuits on the output side. Turn off a power switch soon, and remove the cause of the imprudence.
- Insert cigarette socket securely with cigarette plug the rated equipment of 10A and under.
- Connect the rated equipment of 6A and under with an output terminal of the front panel
- The battery isn't designed for the charge of the big capacity. Avoid use for the charge because a trouble is caused.
- The exchange of the fuse is to miss an input side code, and use the fuse of the rated capacity. Never use a thing except for the rated capacity because a trouble is caused.
- Output voltage may become unstable though high-frequency electric power turns and a countermeasure is being done. Turn, and connect a chassis itself to the earth wire as a countermeasure, and take a ground completely. Connect an earth wire with the ground terminal of the rear panel.

a) **Preset function :**

It can be changed to the voltage of hope by setting a voltage in the preset voltage adjustment volume of the rear panel at once. The voltage adjustment volume of the front panel becomes invalid at the time of switching. Variable can set up output voltage within the range of about 5V ~ 15V.

b) **Remote control function :**

Output voltage can be adjusted in the place to leave this unit by connecting the outside controller to the remote control terminal of the rear panel within the range of about 5V ~ 15V. (Outside controller is connected, the voltage adjustment volume of this unit front panel and a preset function become invalid.)



A line head is to make the terminal of GND a shield within the length of 1.5m.

**Attention!** Turn off the power switch of this unit surely, and go when you connect the outside controller to the remote control terminal of the rear panel.

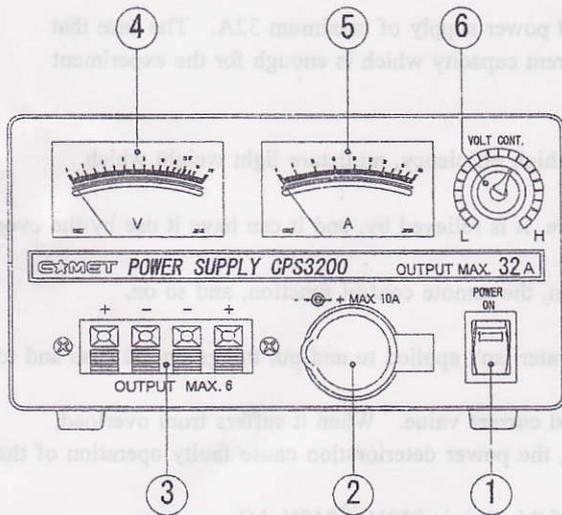
● **Specifications :**

Input voltage	220V ~ 240V AC
Output voltage	5 - 15V DC variable
Output current	Maximum 32A , continuous 30A
Regulation	Less than 2% (at rated load)
Ripple voltage	Less than 15m V p-p (at rated load)
Output over-current protection circuit (Operating point)	A current limiting system will protect the unit from over loading. (More than 33A)
The way that it is cooled down	Forced-air cooling by the fan
Fuse	8A
Dimension	162 (W) × 87 (H) × 205 (D) mm (A protrusion isn't included.)
Weight	Approx. 2.0Kg

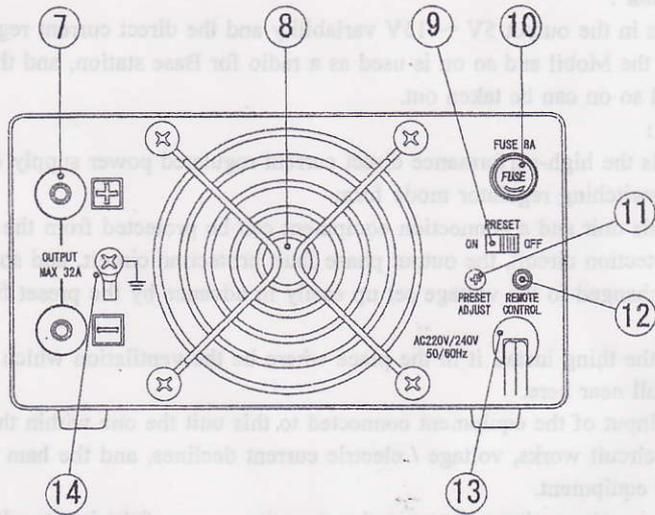
An appearance, specifications are sometimes changed for the performance gain without notice.

● The name of each department and explanation

Front panel



Rear panel



- |                             |  |
|-----------------------------|--|
| ① Power switch              | Turn the unit and off. An indicator is turned on at power supply on.   |
| ② Output terminal 1         | Cigarette socket-type. Maximum 10A   |
| ③ Output terminal 2         | Snap in-type terminal. Maximum 6A (Red: positive, black: negative)   |
| ④ Voltage meter             | Display the voltage of the output.   |
| ⑤ Current meter             | Display the electric current of the output.  |
| ⑥ Voltage adjustment volume | Adjust the voltage of the output. It can be adjusted in the range of about 5V ~ 15V.   |
| ⑦ Output terminal 3         | Tip-Jack type terminal. Maximum 32A (Red: positive, black: negative)   |
| ⑧ Cooling fan               | It works with the power switch together, and a fan goes around, and forced-air cooling is done.  |
| ⑨ Preset transfer switch    | Output voltage becomes the voltage set up in preset adjustment volume by switch on.  |
| ⑩ Fuse                      | Use the rated fuse of 8A.  |
| ⑪ Preset adjustment volume  | Adjust the voltage of the output at preset transfer switch on.<br>It can be adjusted within the range of 5V ~ 15V DC.                              |
| ⑫ Remote control terminal   | In the place to leave this unit by connecting the outside controller, output voltage, about<br>It can be adjusted within the range of 5V ~ 15V DC. |
| ⑬ Power cord                | Connect it to the power cord (240V AC).  |
| ⑭ Ground terminal           | Use when connecting an earth grounding wire to the unit.   |

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## Guarantee

Product guarantees between six are being carried out in our company after the purchase. Repair it gratis when a natural trouble occurs in the guarantee period.

Guarantee period	six months from the purchase day
Trade name	
Name	
Address	
TEL	
Purchase day	
Store name	
Address	
TEL	

- Approve it in advance because a guarantee isn't applicable in the case shown below.
- When there is no presentation of this evidence.
- When the mentioned items of this evidence are un-entries.
- The trouble that a misuse, carelessness such as a drop, shock and repair, remodeling except for our company happened in the cause
- A trouble due to the natural calamity, fire and so on.

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